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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 28944/50019 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/568250
INTERNATIONAL APPLICATION NO. PCT/FR2004/02157 US	INTERNATIONAL FILING DATE 18 August 2004	PRIORITY DATE CLAIMED 22 August 2003
TITLE OF INVENTION DEVICE AND METHOD FOR THE NON-INVASIVE DETECTION AND MEASUREMENT OF THE PROPERTIES OF A MEDIUM		
APPLICANT(S) FOR DO/EO/US Timothee, Pol, Jean Toury, et al.		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Return receipt postcard

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U.S. APPLICATION NO. (If known) 10/568250		INTERNATIONAL APPLICATION NO. PCT/FR2004/02157 US		ATTORNEY'S DOCKET NUMBER 28944/50019	
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21.	<input checked="" type="checkbox"/>	Basic national fee (37 CFR 1.492(a)).....	\$300	\$ 300.00	
22.	<input checked="" type="checkbox"/>	Examination fee (37 CFR 1.492(c))			
If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)... \$0					
All other situations \$200				\$ 200.00	
23.	<input checked="" type="checkbox"/>	Search fee (37 CFR 1.492(b))			
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)... \$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100					
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400					
All other situations..... \$500				\$ 400.00	
TOTAL OF 21, 22 and 23 =				\$ 900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
37 - 100 =	/50 =		x \$250.00		
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	29- 20 =	9	x 50.00	\$ 450.00	
Independent claims	2 - 3 =	0	x 200.00	\$	
MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+ 360.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 450.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$	
SUBTOTAL =				\$ 1,350.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (i)).				+	\$
TOTAL NATIONAL FEE =				\$ 1,350.00	
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
TOTAL FEES ENCLOSED =				\$ 1,350.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,350.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3629. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: CUSTOMER NUMBER: 57726 Thomas A. Miller Miller, Matthias & Hull One North Franklin Suite 2350 Chicago, IL 60606					
				SIGNATURE:	
				NAME: Thomas A. Miller	
				REGISTRATION NUMBER 40,091	

IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

Applicant: Timothee, Pol, Jean) "EXPRESS MAIL"
Tourney, et al.) mailing label No.: EV 776117153
) US
U.S. National Phase of)
International Application No.) Date of Deposit: February 14,
PCT/FR04/02157) 2006
)
International Filing Date:) I hereby certify that this
) paper (or fee) is being
18 August 2004) deposited with the United
) States Postal Service "EXPRESS
Filed: Herewith) MAIL POST OFFICE TO ADDRESSEE"
) service under 37 CFR \$1.10 on
) the date indicated above and is
For: Device and Method for the) addressed to: Mail Stop PCT,
Non-Invasive Detection and) Commissioner for Patents, P.O.
Measurement of the Properties of) Box 1450, Alexandria, VA 22313-
a Medium) 1450
)
Group Art Unit: Not Yet Assigned)
Examiner: Not Yet Assigned) Gina Knauer
Gina Knauer
Attorney Docket No. 28944/50019

CERTIFICATION UNDER 37 CFR 1.10

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify the attached items are being
deposited with the United States Postal Service on **February**
14, 2006 in an envelope addressed to Mail Stop PCT,
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-
1450 utilizing the "Express Mail Post Office to Addressee"
service of the United States Postal Service under Mailing
No. EV 776117153 US.

- a. Transmittal letter to the United States
Designated/Elected Office (DO/EO/US)
concerning a filing under 35 U.S.C. 371;
- b. English language translation of International
Application No. PCT/FR04/02157;
- c. Application Data Sheet;
- d. Preliminary Amendment; and
- e. Check in the amount of \$1,350.00.

Gina Knauer
Gina Knauer